

In re Patent Application of:
COBB ET AL.
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data recovery path 27. As shown in the spectral diagram of Figure 4, since no discrete carrier component is separately transmitted from the transmit site 10, the carrier must be 'regenerated' at the receive site 20.

[Please replace the paragraph beginning at page 16, line 14 with the following rewritten paragraph:

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This is diagrammatically illustrated in Figure 6, as a summing unit 43 is installed in the in-phase data signal path to which a voltage offset of + 0.k volts is applied. The insertion of this DC offset voltage shifts or biases the reference levels for the encoded in-phase data symbol stream to values of 1.k volts and (-1.0 + 0.k volts), as shown in Figure 8. The resultant phase quadrature modulated signals produced by mixers 42I and 42Q are then summed in a summing unit 44 to produce a composite QPSK signal, that is transmitted via amplifier-feed circuitry 45 coupled to an antenna 46.

[In the Claims:

Please cancel Claim 1. ✓

✓
Please amend Claims 2-4, 6-9, and 14 as follows: ✓

2. (Amended) A method according to claim [1] 27,
further including the steps of:

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receiving the transmitted QPSK waveform; and
processing the received QPSK waveform to extract said carrier signal therefrom.

3. (Amended) A method according to claim 2, further including the step of:

processing the received QPSK waveform using the